

Morphologically it is very difficult to distinguish this species from *St. octomerum*, especially from its f. *robustior* Asahina. But it differs by the presence of "dendroidin" instead of lobaric acid. The dried acetone extract of *St. dendroides* yields on recrystallization from G.E. solution under cover glass fine curved trichites generally radiating from a point. Chemically purified dendroidin is a colorless substance m.p. 293°. Its alcoholic solution is colored bluish green by ferric chloride and dark bluish green by the bleaching powder. The chemical composition corresponds to the formula $C_{16}H_{12}O_8$ and seems to belong to a diphenylenoxyde derivative (such as strepsilin and didymic acid). Dendroidin was hitherto found in *St. pendulum* Asahina and *St. strictum* var. *lecanoreum*. I can not confirm Lamb's account that *St. vesvianus* var. *umbonatum* contains also dendroidin (Canadian Journ. Bot. 29: 557. 1951.).

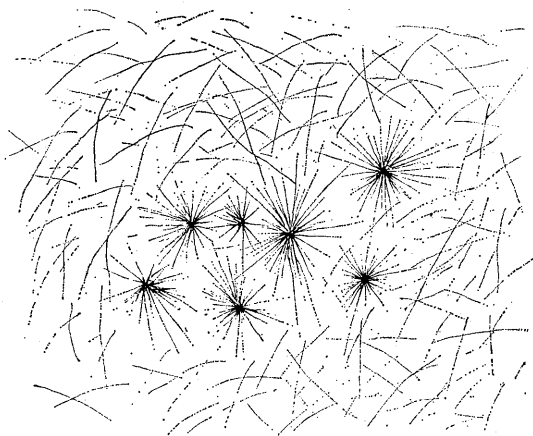


Fig. 8. *Stereocaulon dendroides* Asahina. Acetone extract recrystallized from G.E. solution under cover glass.

□牧野，新日本植物図鑑 有名な牧野富太郎氏の図鑑が前川文夫，原寛，津山尚の3氏によって補遺され編集されて，この6月30日，北隆館より出版された。旧版と増補にでた植物をあわせて統一してならべ，記述も充実され現代語に書き改められ，読みやすくなりやすくなっている。版も大きくなってモダンな感じがする。1057頁，定価 3,500 円（木村陽二郎）